

Recorded water levels in this bulletin are derived from a representative network of water level gages on each lake (see cover map). Providers of these data are the National Ocean Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, and the Marine Environmental Data Service, Department of Fisheries and Oceans, Canada. Historic and projected lake levels are derived by the Detroit District, U.S. Army Corps of Engineers and Environment Canada, under the auspices of the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data.

This bulletin is produced monthly as a public service. Tables of possible storm-induced rises at key locations on the Great Lakes are available on request. The Corps also publishes the "Great Lakes, Connecting Channels and St. Lawrence River Water Levels and Depths," twice monthly, which provides a forecast of depths in the connecting rivers between the Great Lakes and the International Section of the St. Lawrence River. These publications can be obtained free of charge by writing to the address shown on the front cover, or by calling (313) 226-6441. Notices of change of address should include the name of the publication(s). All of these publications can be accessed on the Internet at <http://www.lre.usace.army.mil/glhh>.

Great Lakes Basin Hydrology April 2007

Lake Superior received below average precipitation during the month of April and has seen below average precipitation during the last 12 months. Lakes Michigan-Huron and Erie received near average precipitation, while Lake Ontario received above average precipitation during April. Over the last 12 months, precipitation on Lake Michigan-Huron was near average, while Lakes Erie and Ontario have received above average precipitation. The net supply of water to Lakes Superior and Michigan-Huron was below average in April. Lakes Erie and Ontario had above average water supply. The tables below list April precipitation and water supply information for the entire Great Lakes basin.

A comparison of April monthly mean water levels to long-term (1918-2006) averages show that Lake Superior was 17 inches below average and Lake Michigan-Huron was 15 inches below average. Lakes St. Clair was 3 inches below average, while Lakes Erie and Ontario were 4 and 5 inches above average, respectively.

PRECIPITATION (INCHES)								
BASIN	April				12-Month Comparison			
	2007	Average (1900-1999)	Diff.	% of Average	Last 12 months	Average (1900-1999)	Diff.	% of Average
Superior	1.34	1.96	-0.62	68	24.56	30.52	-5.96	80
Michigan-Huron	2.66	2.59	0.07	103	33.65	32.18	1.47	105
Erie	3.04	3.16	-0.12	96	43.76	35.04	8.72	125
Ontario	3.60	2.88	0.72	125	40.65	35.35	5.30	115
Great Lakes	2.46	2.52	-0.06	98	33.12	32.42	0.70	102

LAKE	April WATER SUPPLIES ² (cfs)		April OUTFLOW ³ (cfs)	
	2007 ¹	Average ⁵ (1900-1999)	2007 ¹	Average ⁴ (1900-1999)
Superior	123,000	148,000	49,000	69,000
Michigan-Huron	241,000	284,000	160,000	182,000
Erie	72,000	66,000	209,000	203,000
Ontario	105,000	93,000	279,000	259,000

Notes: Values (excluding averages) are based on preliminary computations; cfs denotes cubic feet per second.

¹ Estimated

² Negative water supply denotes evaporation from lake exceeded runoff from local basin.

³ Does not include diversions.

⁴ Niagara and St Lawrence rivers average outflows are based on period of record 1900-1989 and 1900-2003, respectively

⁵ Lakes Erie and Ontario average water supplies based on 1900-1989